Claims

What is claimed is:

5 1. A selective noise canceling headset, comprising: at least one earpiece for reproducing a selected audio signal;

a microphone for monitoring an external audio signal in a vicinity of said headset; and

- a selective noise suppression circuit for analyzing said external audio signal and for selectively reproducing at least a portion of said external audio signal that is likely to be of interest to a user.
- 15 2. The selective noise canceling headset of claim 1, wherein said reproduced portion of said external audio signal is an alarm audio signal.
- 3. The selective noise canceling headset of claim 1, wherein said reproduced portion of said external audio signal is acoustically distinct from a general background noise of a local environment.
- 4. The selective noise canceling headset of claim 1, 25 wherein said reproduced portion of said external audio signal is associated with speech directed to a user of said headset.
- 5. The selective noise canceling headset of claim 1, wherein said selective noise suppression circuit suppresses said external audio signal unless a portion of said external audio signal is likely to be of interest to a user.

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- 6. The selective noise canceling headset of claim 1, wherein said selective noise suppression circuit segments said external audio signal and reproduces only a desired portion of said external audio signal that is likely to be of interest to a user.
- 7. The selective noise canceling headset of claim 1, wherein said selective noise suppression circuit emphasizes a desired portion of said external audio signal that is likely to be of interest to a user over said selected audio signal.
- 8. A selective noise canceling device, comprising: a microphone for monitoring an external audio signal; and
- a selective noise suppression circuit for analyzing said external audio signal and for selectively reproducing at least a portion of said external audio signal that is likely to be of interest to a user.
- 9. The selective noise canceling device of claim 8, wherein said reproduced portion of said external audio signal is an alarm audio signal.
- 10. The selective noise canceling device of claim 8, wherein said reproduced portion of said external audio signal is acoustically distinct from a general background noise of a local environment.
- 11. The selective noise canceling device of claim 8, 30 wherein said reproduced portion of said external audio signal is associated with speech directed to a user of said device.

12. The selective noise canceling device of claim 8, wherein said selective noise suppression circuit suppresses said external audio signal unless a portion of said external audio signal is likely to be of interest to a user.

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- 13. The selective noise canceling device of claim 8, wherein said selective noise suppression circuit segments said external audio signal and reproduces only a desired portion of said external audio signal that is likely to be of interest to a user.
- 14. The selective noise canceling device of claim 8, wherein said selective noise suppression circuit emphasizes a desired portion of said external audio signal that is likely to be of interest to a user over a selected audio signal.
- 15. A selective noise canceling method, comprising:
 monitoring an external audio signal;
 analyzing said external audio signal; and
- selectively reproducing at least a portion of said external audio signal that is likely to be of interest to a user.
- 16. The selective noise canceling method of claim 15, wherein said reproduced portion of said external audio signal is an alarm audio signal.
- 17. The selective noise canceling method of claim 15, wherein said reproduced portion of said external audio signal is acoustically distinct from a general background selective noise of a local environment.

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- 18. The selective noise canceling method of claim 15, wherein said reproduced portion of said external audio signal is associated with speech directed to a user of said method.
- 5 19. The selective noise canceling method of claim 15, further comprising the step of suppressing said external audio signal unless a portion of said external audio signal is likely to be of interest to a user.
- 10 20. The selective noise canceling method of claim 15, further comprising the step of segmenting said external audio signal and reproducing only a desired portion of said external audio signal that is likely to be of interest to a user.
- 15 21. The selective noise canceling method of claim 15, further comprising the step of emphasizing a desired portion of said external audio signal that is likely to be of interest to a user over said selected audio signal.